

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121918\
 Data File : VD060640.D
 Acq On : 19 Dec 2018 15:07
 Operator : VA/AP
 Sample : J6194-07
 Misc : 19.46G/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-121818-A

Quant Time: Dec 20 01:27:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

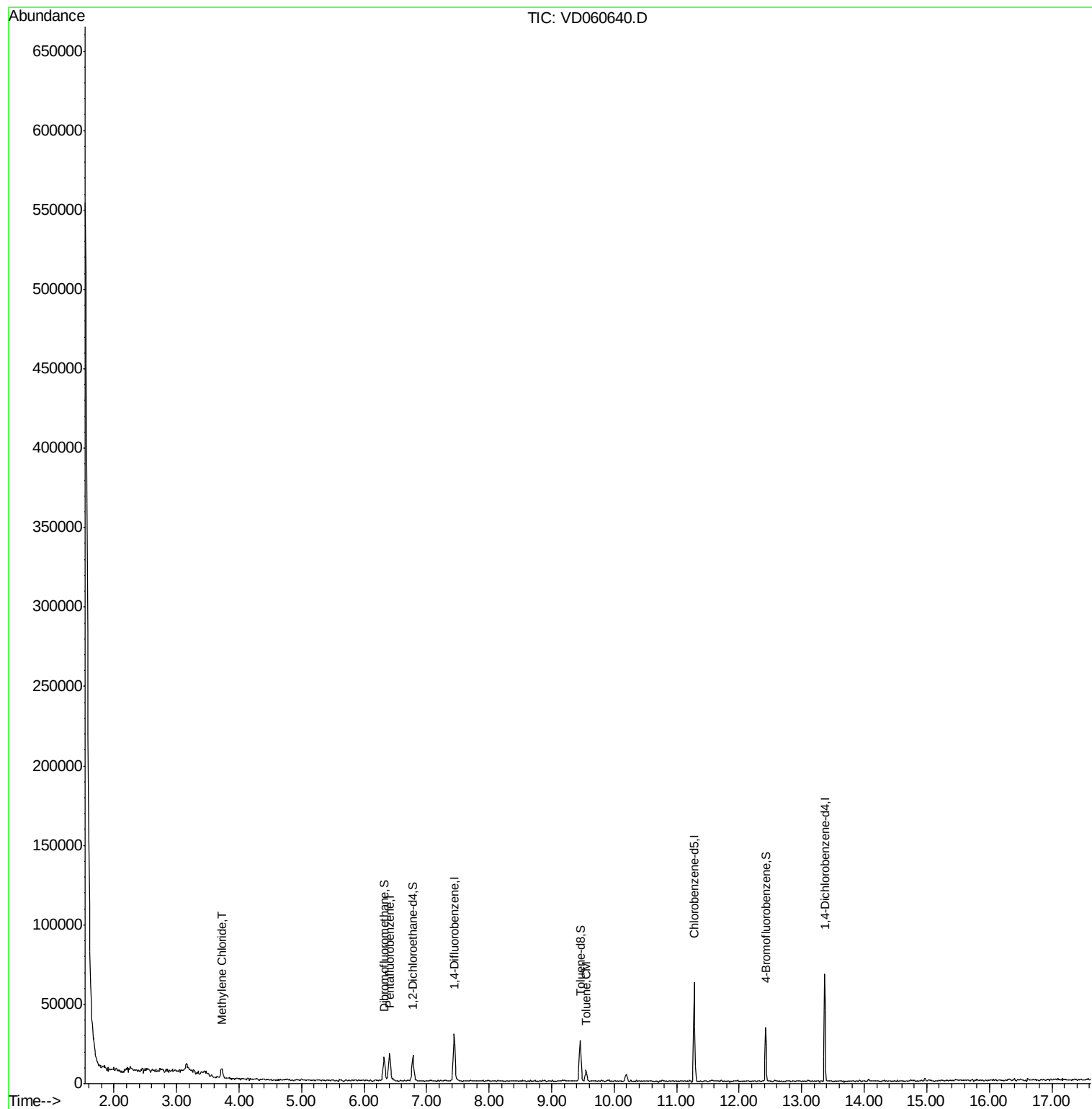
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	20028	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	33376	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	32088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	14725	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	13680	96.37	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	192.74%	
35) Dibromofluoromethane	6.32	113	11827	48.24	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.48%	
50) Toluene-d8	9.45	98	23212	32.72	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	65.44%	
62) 4-Bromofluorobenzene	12.42	95	10495	41.34	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.68%	
Target Compounds						
20) Methylene Chloride	3.72	84	3655	14.300	ug/l #	81
52) Toluene	9.55	92	3998	7.672	ug/l	86

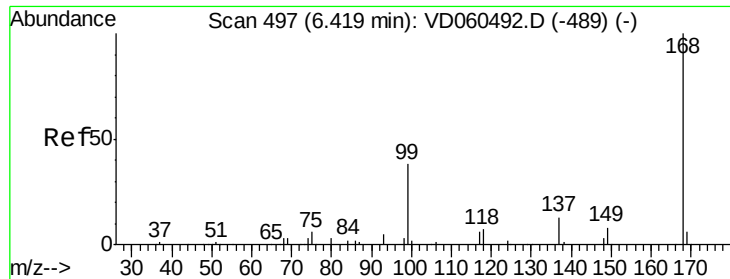
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

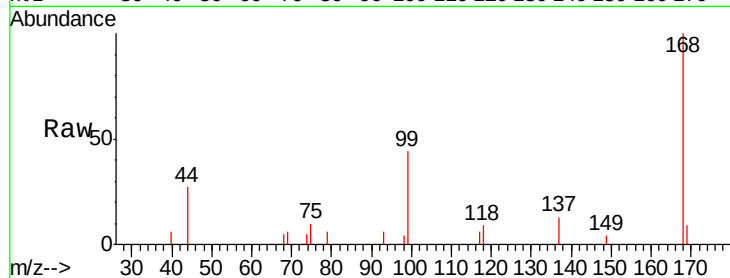
OK-01-121818-A

Tgt Ion:168 Resp: 20028

Ion Ratio Lower Upper

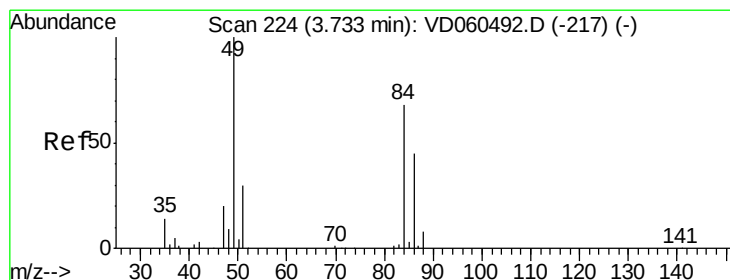
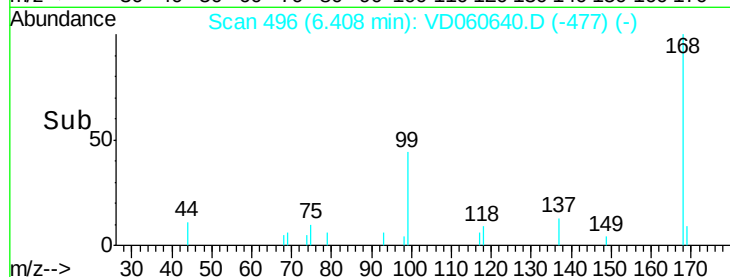
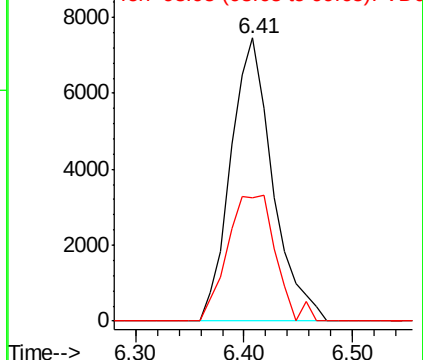
168 100

99 43.7 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 14.300 ug/l

RT: 3.72 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

Tgt Ion: 84 Resp: 3655

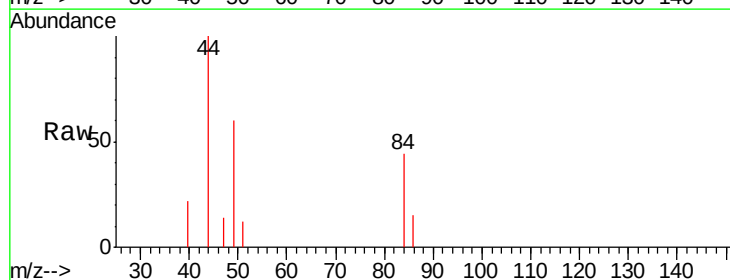
Ion Ratio Lower Upper

84 100

49 136.0 117.2 175.8

51 28.0 35.3 52.9#

86 34.6 53.2 79.8#

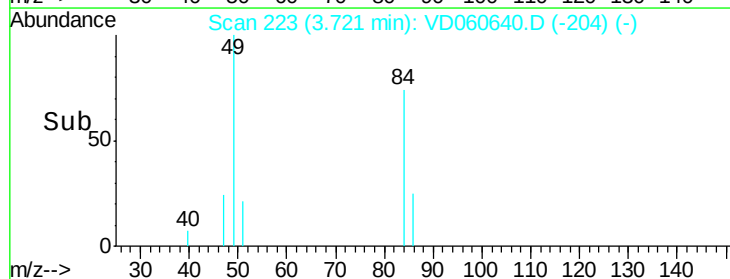
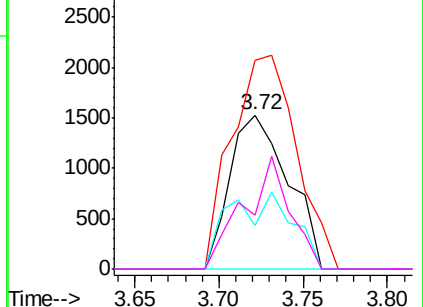


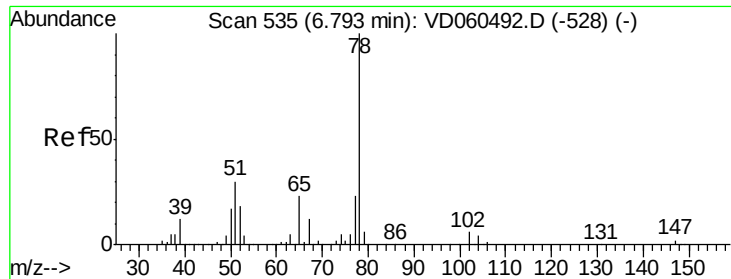
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.01 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

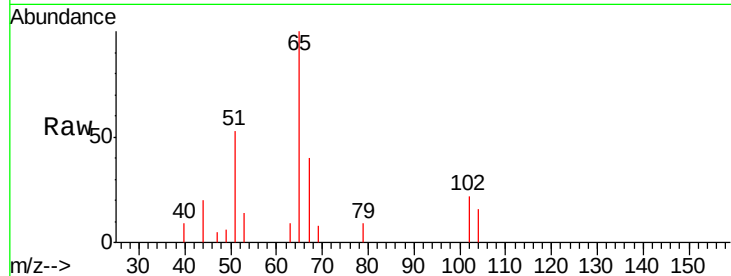
OK-01-121818-A

Tgt Ion: 65 Resp: 13680

Ion Ratio Lower Upper

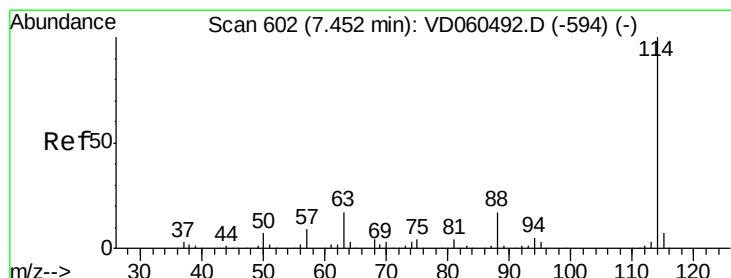
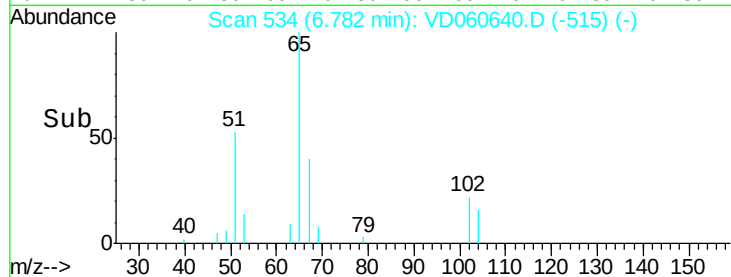
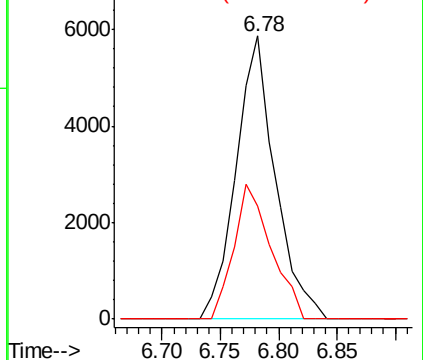
65 100

67 39.8 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

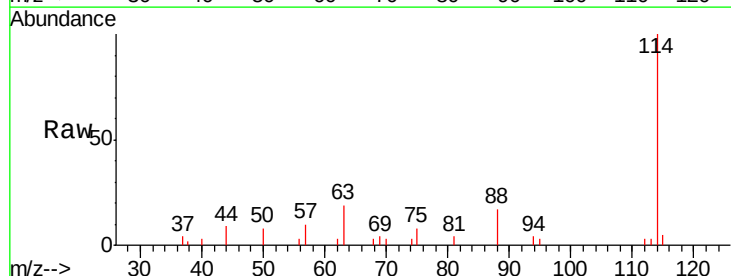
Tgt Ion: 114 Resp: 33376

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.2

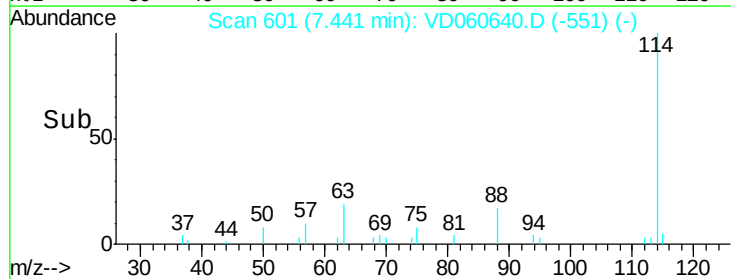
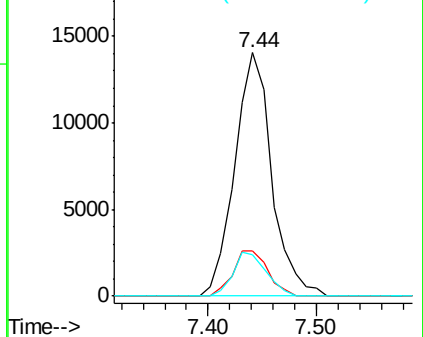
88 17.2 0.0 35.0

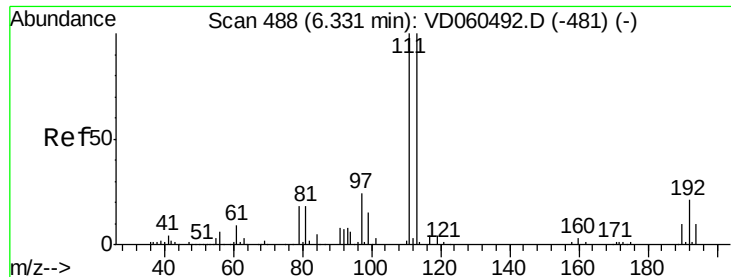


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. -0.01 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

OK-01-121818-A

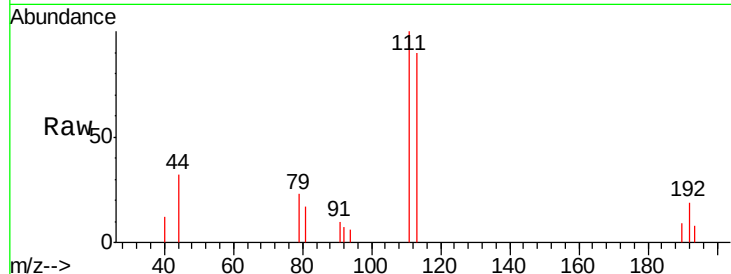
Tgt Ion:113 Resp: 11827

Ion Ratio Lower Upper

113 100

111 111.7 80.2 120.4

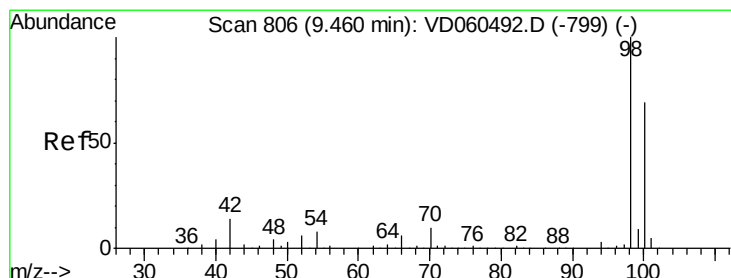
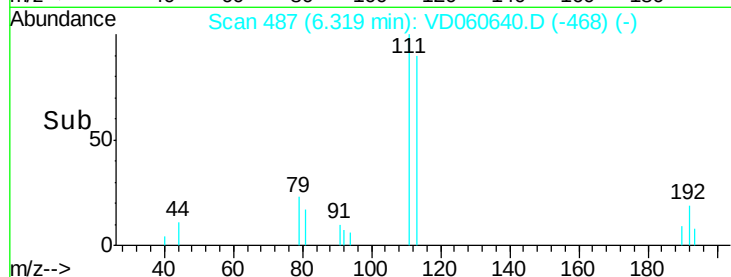
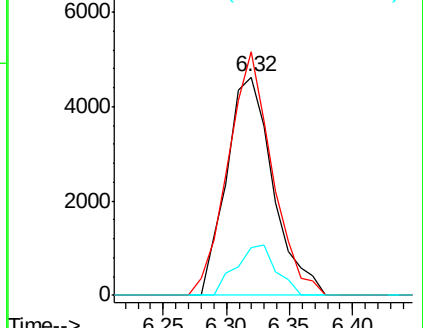
192 21.7 16.6 24.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD060640.D

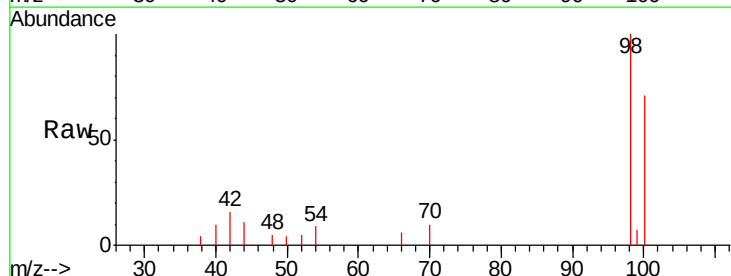
Acq: 19 Dec 2018 15:07

Tgt Ion: 98 Resp: 23212

Ion Ratio Lower Upper

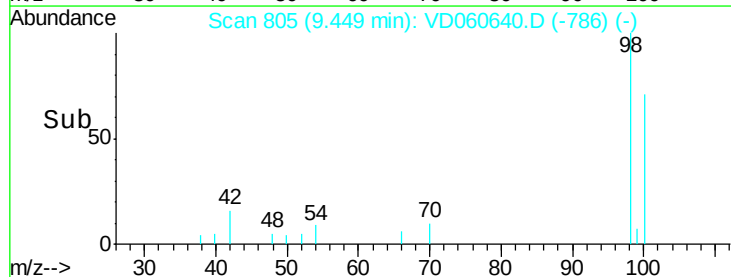
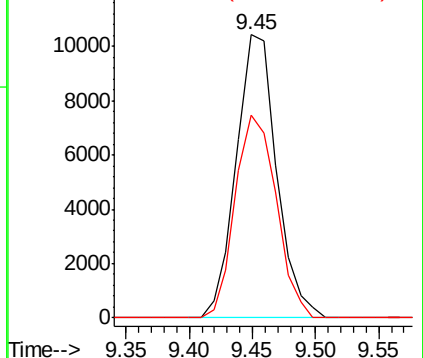
98 100

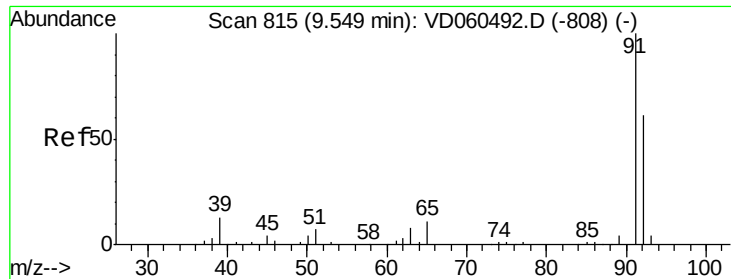
100 71.4 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 7.672 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

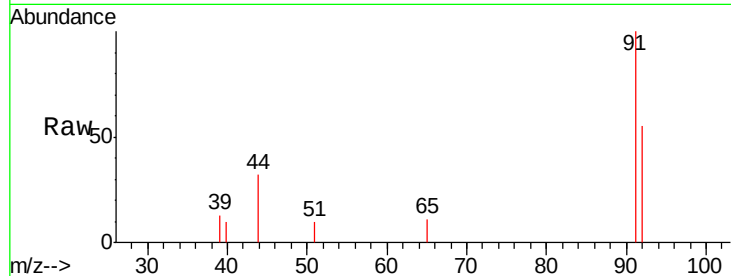
OK-01-121818-A

Tgt Ion: 92 Resp: 3998

Ion Ratio Lower Upper

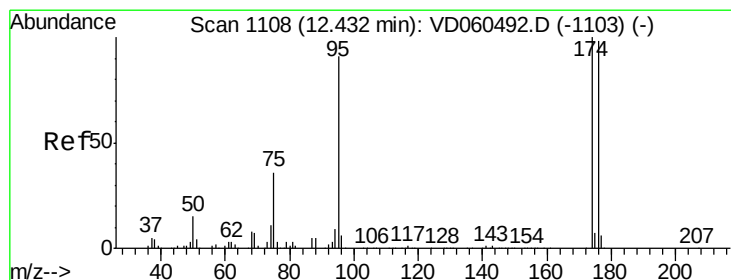
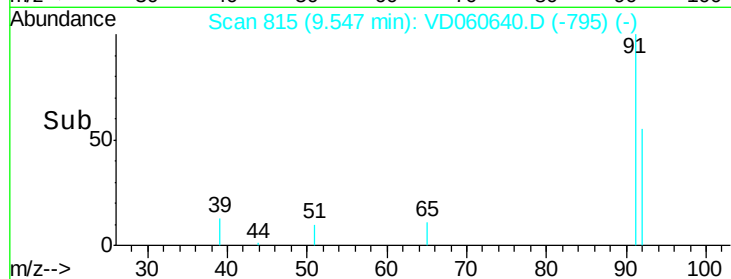
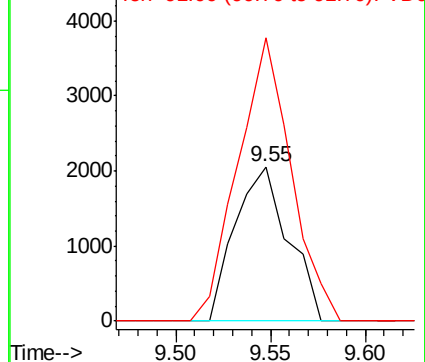
92 100

91 183.0 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060640.D

Acq: 19 Dec 2018 15:07

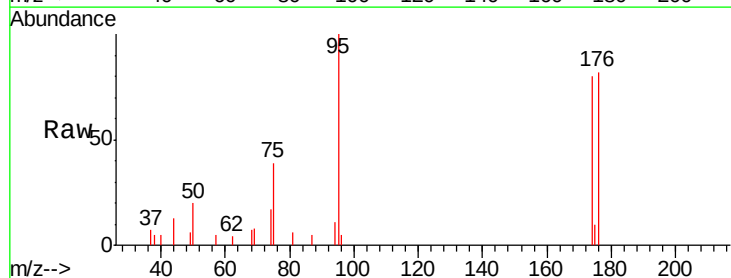
Tgt Ion: 95 Resp: 10495

Ion Ratio Lower Upper

95 100

174 80.4 0.0 219.4

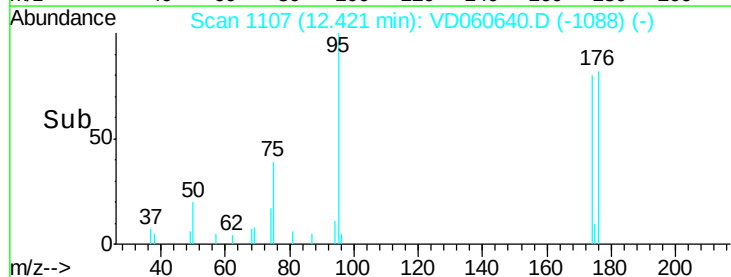
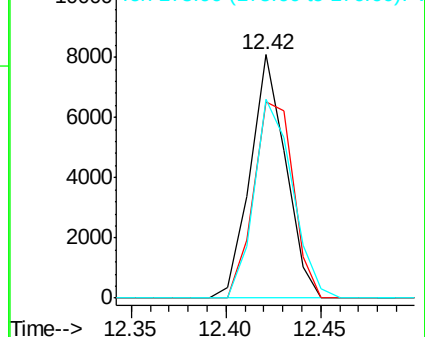
176 81.9 0.0 214.6

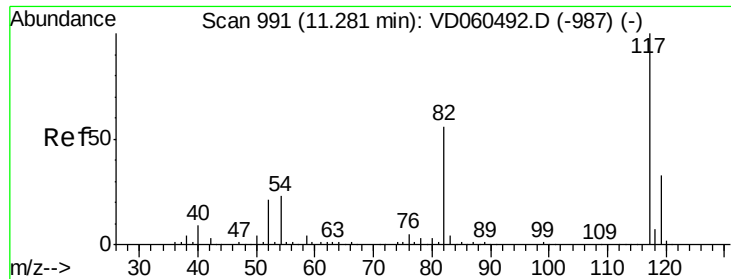


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

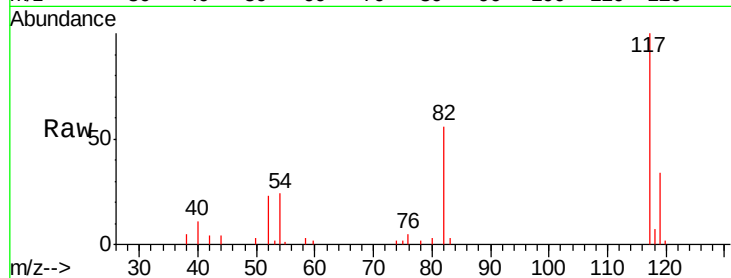




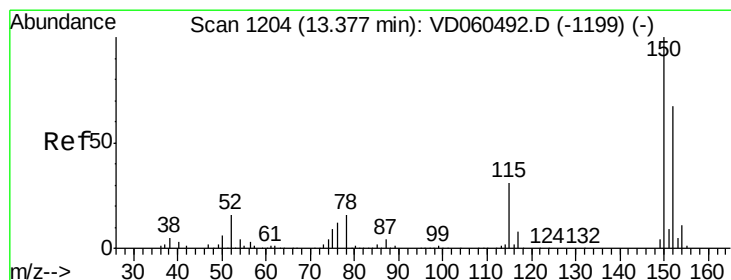
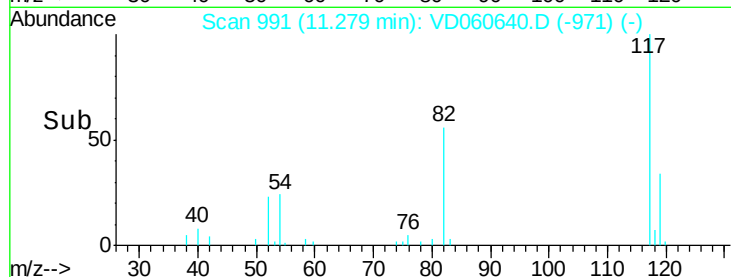
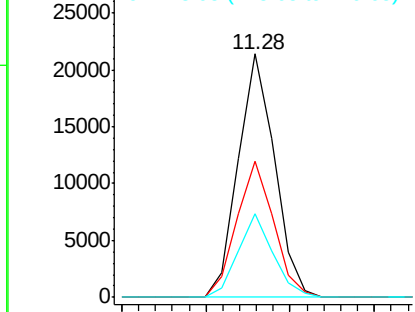
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060640.D
Acq: 19 Dec 2018 15:07

Instrument :
MSVOA_D
ClientSampleId :
OK-01-121818-A

Tgt Ion:117 Resp: 32088
Ion Ratio Lower Upper
117 100
82 55.8 45.2 67.8
119 34.3 26.1 39.1

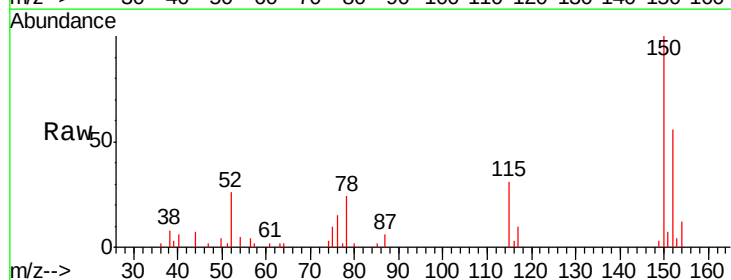


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD060640.D
Acq: 19 Dec 2018 15:07

Tgt Ion:152 Resp: 14725
Ion Ratio Lower Upper
152 100
115 55.1 24.6 74.0
150 177.2 0.0 309.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

